

ABSTRACT

A linguistic segmentation tool (115) includes an acoustic feature extraction component (302) and a lexical feature extraction component (311). The acoustic feature extraction component (302) extracts prosodic features from speech (e.g., pauses, pitch, energy, and rate). The lexical feature extraction component (311) extracts lexical features from a transcribed version of the speech (e.g., words, syntactic classifications of the words, and word structure). A language model is constructed based on the lexical features and an acoustic model is constructed based on the acoustic features. A statistical framework combines the outputs of the language model to generate indications of potential linguistic features.